

Recombinant Full Length Human UGT1A9 Protein, GST-tagged

Cat. No. UGT1A9-541HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human UGT1A9(1 a.a. - 530 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	530 amino acids
Description	This gene encodes a UDP-glucuronosyltransferase, an enzyme of the glucuronidation pathway that transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into water-soluble, excretable metabolites. This gene is part of a complex locus that encodes several UDP-glucuronosyltransferases. The locus includes thirteen unique alternate first exons followed by four common exons. Four of the alternate first exons are considered pseudogenes. Each of the remaining nine 5' exons may be spliced to the four common exons, resulting in nine proteins with different N-termini and identical C-termini. Each first exon encodes the substrate binding site, and is regulated by its own promoter. The enzyme encoded by this gene is active on phenols.
Molecular Mass	86.3 kDa
AA Sequence	MACTGWTSP LPLCVCLLLTC GFAEAGKLLV VPMDGSHWFT MRSVVEKLIL RGHEVVVVMP EVSWQLGRSL NCTVKTYSTS YTLEDLDREF KAFAHAQWKA QVRSIYSLLM GSYNDIFDLF FSNCRSLFKD KKLVEYLIKES SFDVFLDPF

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DNCGLIVAKY FSLPSVVFAR GILCHYLEEG AQCPAPLSYV PRILLGFSDA
 MTFKERVNRH IMHLEEHLLC HRFFKNALEI ASEILQTPVT EYDLYSHTSI
 WLLRTDFVLD YPKPVMPNMI FIGGINCHQG KPLPMEFEAY INASGEHGIV
 VFSLGSMVSE IPEKKAMAIA DALGKIPQTV LWRYTGTRPS NLANNILVK
 WLPQNDLLGH PMTRAFITHA GSHGVYESIC NGVPMVMMPL FGDQMDNAKR
 METKGAGVTL NVLEMTSEDL ENALKAVIND KSYKENIMRL SSLHKDRPVE
 PLDLAVFWVE FVMRHKGAPH LRPAAHDLTW YQYHSLDVIG FLLAVVLTVA
 FITFKCCAYG YRKCLGKKGR VKKAHKSATH

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name UGT1A9 UDP glucuronosyltransferase 1 family, polypeptide A9 [Homo sapiens (human)]

Official Symbol UGT1A9

Synonyms UGT1A9; UDP glucuronosyltransferase 1 family, polypeptide A9; LUGP4; UDPGT; UGT1I; HLUGP4; UGT-1I; UGT1-9; UGT1.9; UGT1AI; UGT1-09; UDPGT 1-9; UDP-glucuronosyltransferase 1-9; UDP glycosyltransferase 1 family, polypeptide A9; UDP-glucuronosyltransferase 1-I; UDP-glucuronosyltransferase 1A9; NP_066307.1; EC 2.4.1.17

Gene ID 54600

mRNA Refseq NM_021027

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Protein Refseq	NP_066307
MIM	606434
UniProt ID	O60656

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